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SECTION OF HOMENCTATURE

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Tree, Shrub and Fruit Seeds

FOR

Ornamental and Forestry Purposes

PRICE LIST

1916-1917

CONYERS B. FLEU, JR.

TREE SEEDSMAN

GERMANTOWN, PHILADELPHIA

U. S. A.

Tree and Shrub Seeds

The general method to pursue in the propogation of trees and shrubs from seed is to plant those seeds of Conifers and Evergreen Trees in the Spring, while those of a Deciduous nature in the Fall. Carefully select a fine, sandy loam and make the beds three feet in width and sow the seeds broadcast; after sowing cover to the depth of about the thickness of the seed with light sandy soil and gently press the beds with the back of a spade to bring the earth in contact with the seeds. Shade is an essential, as seeds germinate best in darkness; this can be accomplished by either making lath sash or covering them with forest leaves, keeping them in place by a light skeleton frame. The leaves or sash should be removed as soon as the seedlings begin to appear, as light is needed.

To preserve seed of Conifers and Evergreen Trees until the proper sowing season, mix them in dry sand. Should it be impossible to plant the Deciduous seeds in the Fall, they will keep in excellent condition by mixing them in slightly moist soil; keep the soil in a damp condition until ready to sow.

Deciduous seeds which have hard shells such as Gymnocladus, honey and black locust, if not sown in the Fall, are best soaked for a day or so and then at once sown.

NOTICE! Every effort is extended to secure and collect only the very best seeds, but it is known that some seeds are occasionally wormy, such as Quercus, and Castanea. This defect, however, cannot be detected until after the worm has eaten its way out, which often is after the seeds have been shipped. While on the other hand, there are trees such as Liriodendron, Sugar Maple, and etc., that never perfect all their seeds. The imperfect seeds can not be separated. With this in view and the many known and unknown causes which prevent seeds from germinating, all seeds are sold without any warranty, expressed or implied, as to quality, productiveness or any other matter of any seeds, and in no way will I be responsible for crop conditions. All orders are accepted on these conditions. Should any cause for complaint arise on receipt of shipment notice must be sent within one week of same, otherwise it is understood that the goods are accepted.

CONDITIONS. As I collect but few more seeds than are ordered, all offers and acceptances of orders are subject to the condition of the season's crop, and failing to get the seeds expected or the quantities ordered from my growers and collectors, I reserve the right to reduce proportionately all orders that have been booked.

SHIPPING FACILITIES. Small orders can be sent to all parts of the world by sample post and to nearly every country by parcel post. Shipments are dispatched very quickly owing to my warehouse being closely connected with the forwarders of New York and Philadelphia ports. The cost of postage, bags and boxes is charged additionally.

TERMS. My terms are cash with order or satisfactory references must be supplied.

RATES. One quarter bushel sold at the bushel price, one quarter pound sold at the pound rate.

SPECIAL PRICES. Those requiring large quantities of seeds will be given special prices.

CONYERS B. FLEU, JR. TREE SEEDSMAN GERMANTOWN, PHILADELPHIA U. S. A.

CABLE. ADDRESS FLEU, PHILA. A, B, C CODE 4th & 5th Edition

PETURN TO POMOLOGY	EVERG	REEŃS.
Abies (Picea) amabilis	California	Fir

7				W 6	M 1 1 1	4017
	MRN	TO PU	MOLOG7 EVERGREENS.	11	11 11	
10.	Abies	(Picea)	amabilis California Fir	er lb. 3 00	Per oz. \$0 30	
	"	"	Arizonica, Arizona Cork Firbalsamea, Balsam Fir		50 15	
	66	"	brachyphylla		30	
	66	"	Breweriana1		2 00	
	"	66	Bracteata		1 00 20	
	66	"	concolor, Colorado Silver Fir:		20	
	66	66	firma, Japanese	2 50	25	
	66	66	Fraseri, Double Balsam	3 50	35	
	44	"	grandis, Pacific Coast Fir	3 25 3 00	35 30	
	"	"	Mariesii, Japan Silver Fir	4 50	50	
	"	"	nobilis, Pacific Coast Fir	3 50	35	
	66	"	Nordmanniana, Nordman Fir		15	
	44	"	pectinata, European Silver Firsachalinensis, Saghalien Fir		10 50	
	46	"	sub-alpina	4 50	50	
	"	66	Umbellata	4 00	40	
			Veitchii		40 20	
	Arcto	aria exc stanhvlo	os glauca	1 25	15	
		66	pungens	1 25	15	
		"	tomentosa		20	
	Darba		uva ursiifolium (Mahonia)		30 15	
	Del De	Tapo	mica	2 50	25	
	Brahe	a edulis	, Palm	1 25	13	
	46	filame	entosa, Palm	1 00	15	
	66	grauca	a, Palmta, Palm	1 50	20 15	
	66		ræ		30	
	Buxus	sempe	rvirens, Box	1 75	15	
	Cedru	s Atlant	tica, Mt. Atlas Cedar	2 25	25	
	"	Liban	ra, Deodar Cedar	2 25 2 25	25 25	
	Cepha	lotaxus	Fortunei	1 50	15	
	Cinna	momum	Camphora. Camphor Tree	1 25	15	
			racantha, Evergreen Thorn	85	10 20	
			Japonica, Japanese Cedar izonica		20 25	
	Cupre."		veniana		30	
	"	Gu	adalupensia	3 50	35	
	"	Be	nthamiana	2 75	30	
۰	66	Kn La	wsoniana, Lawson's Cypress	3 00	30 30	
	"		adleyi		35	
	66	ma	crocarpa, Monterey Cypress	1 25	20	
	"		Nabiana		30 1 25	
	66-		tkaensis		15	
	66			3 25	35	
	· ·			3 75	30	
	Eucal		nygdalina per packet, \$0 25 prynocalyx " 25	8 00	80 75	
	6		obulus " 25	4 00	40	
	6	' Ğ	unnii " 25	5 00	50	
	6	le	ucoxylon " 25 btusifolia " 25 1	7 00	75	
	6		btusifolia " 25 1 esinifera " 25	00 0.	1 00 80	
	•	ro	obusta " 25	4 00	40	
			ostrata " 25	4 00	40	
		V1	IIIIIIIIII	4 50	50 75	
	Gault	heria pr	ca	1 50	15	
	66	Sh	nallon	3 50	35	
		A qui folit	ım, English Holly	85	10	
			Japan Holly	3 00	30 10	
		- pacu, 11		50	10	

	EVERGREENS—Continued.	D
Lunine	Per lb. 2 Per lb. 2 Per lb. 3 Per lb. 4 Per lb. 5 Per lb.	Per oz.
**	Californica 3 00	30
"	communis, Common Juniper	10 . 10
4.6	occidentalis, Western 2 00	20
	pachyphlaea 1 00	10
66	prostrata	10 25
4.6	rigida, Japan Cedar	35
4.6	sabinoides	25
	scopulorum	15 15
"	Sabina, Savin Juniper	15
44	Virginiana, Red Cedar	10
Kalmi	a angustifolia, Laurel 5 00	50
Lauri	latifolia, Sheep Laurel	50 16
Liboc	edrus decurrens	30
Magn	olia grandiflora, Evergreen Magnolia 1 25	15
Nutta	Ilia cerasiformis	30 10
Perse	a Carolinana	30
Photi	nia arbutifolia 1 00	15
Picea	(Abies) alba, White Spruce	30
"	" Alcoquiana, Japanese Spruce	45 45
"	" bicolor, from Japan 4 50	50
44	" Engelmanni 4 00	40
"	" excelsa, Norway Spruce	+5 2 6
66	" Hookeriana	75
"	" nigra, Black Spruce	35
66	"Orientalis, Oriental Spruce	40
"	" pungens, Colorado Blue Spruce	35 40
66	" rubra, Red Spruce	30
" D:	" Sitchensis (Menziesii)	35
Pinus	aristata, Colorado Foxta l Pine	- ³⁵ 2 0
"	Banksiana, Jack Pine 4 00	40
"	Benthamiana 3 00	10
66	Canariensis, Canary Island Pine	25
6.6	cembra, Swiss Pine	10 50
6.6	contorta 5 00	50
"	Coulteri, Big Cone Pine 3 00	30
4.4	densiflora, Japanese Pine	20 15
44	excelsa, Himalayan Pine	35
"	flexilis, Colorado Pine	30
44	insignis, Monterey Pine	25 25
66	Koraiensis	25
66	Lambertiana, Sugar Pine	20
46	Laricio 2 25 Massoniana 2 00	25 20
4.6	mitis	4 0
44	monophylla, Single Leaf Pine	25
	monticola, Pacific Coast White Pine	35 2 5
66	Mughus, Dwarf Mountain Pine	50 50
46	Murryana, Lodgepole Pine	50
44	Nelsoni 4 50 palustris, Yellow Broom Pine 2 2 5 3 00	50
""	Parryana, Mexican Pinyon	30 223 40
"	Pentaphylla, from Japan	40
"	Pinea 75	10
"	ponderosa, Heavy Wooded Pine	25 25

FUFPGPFFNS_Continued	
Pinus pumila, from Japan 4 00	Per oz. 40 50 25 15 20 20 40 25 30 40 25 10 10 10 15 30 25 45 25 60
Maximum	50 10 10 10 35 30 15 1 00 35 35 25 10 15 60 75 15 40 45 75 70 75 45 15 45 10 20 45
DECIDUOUS TREES AND SHRUBS	Per oz. 10 25 15 25 15 15 10 10 10 10 15 15 10 15 10 15 10 15 15 10 15 10 15 10 15 10 15 10 15 10 15 10 10 15 10 15 10 15 10 15 10 10 10 15 10 15 10 15 10 10 10 10 10 15 10 10 15 10 10 15 10 10 10 10 10 10 10 10 10 10 10 10 10

DECIDUOUS TREES AND SHRUBS—Continued.	Per oz.
Alnus Oregonia (clean seed) 6 00	75
" serrulata, Swamp Alder	15 2 20
" alnifolia	30 10
fruiticosa, Indigo Shrub	10 60
" calyculata " Catesbaei	60 50
" floribunda	50
" Mariana	60 60
" nitida" " racemosa	50 1 00
" speciosa	,1 00 25
Aralia Sieboldi (From Japan) 2 50 spinosa, Angelica Tree 1 00	10
Arbutus Arizonica 1 25 "Menziesii 2 00	15 20
Ardisia crispa	30 3:)
Asimina triloba, Papaw 50	10
Azalea arborescens	75 75
" mollis	75 75
" viscosa	75
Baccharis halimifolia, Groundsel Shrub	1 00
" nervosa	50 15
" vulgaris, Common Barberry 1 00 purpurea, Purple Barberry 1 50	15 15
Betula alba, European White Birch	15
" excelsa, Yellow "	20 15
" lenta, Sweet " 1 50 " papyracea, Paper " 1 75 " populifolia, Poplar " 1 00 " rubra, Red " 1 50	20 15
rubra, Red " 1 50 Callicarpa Americana 85	15 10
" purpurea	20
Calycanthus floridus laevigatus, Sweet Shrub	10 25
Camellia Japonica	15 20
Caragana arborescens, Siberian Pea	10
Carpenter'a Californica	1 75
Carya alba, Shellbark Hickory per Fushel, \$4 00 15	10
" amara, Bitter-nut " " 3 50 0 10 10 10 10 10 10 10 10 10 10 10 10	
" porcina, Pig-nut " " 4 00 15 " sulcata, West'n Shellbark " " 3 50 15	
"tomentosa, White " " 3 00 15	
Cassia Marilandica, Wild Senna	15 15
" speciosa. Western Catalpa. This is the true forest tree speciosa, guaranteed true to name 1 75	20
Ceanothus Americanus (clean)	20
" divaricatus	1 00
" spinosus 1 00 " thyrsiflorus 2 00	10 20
Celtis occidentalis, Nettle Tree 75 '' reticulata 1 25	17 15
Cephalanthus occidentalis	10
Cerasus. See Prunus. Cercis Canadensis, Judas Tree	10

DECIDUOUS TREES AND SHRUBS-Continued	l. Per oz.
Cercis occidentalis, Western Judas 3 0	0 30
Cerciduim Torre, anum 1 2	5 15 75
Cercocarpus parvifolius	- 3.0
Chionanthus Virginica, White Fringe	10
Citrus trifoliata Hardy Orange) 15
" Sour Orange 1 50	U 15
(ladrastis functoria, Virgilia	0 55
Clethra alnifolia, Sweet Pepper Bush	5 15
(lornus alternitolia, Blue-berried Dogwood	2 1(1
" circinata 1 2:	
" florida, Large White Dogwood	
" Mas, Cornelian Cherry	5 15
" paniculata	10
" sericea, Silky Dogwood	
" Stolonifera 7	
Corylus Americana, Hazel Nut	
Cratægus coccinea, White Thorn, berries	4.0
" crus-galli, Cockspur " " 50	10
" cordata, Washington " 73 " crus-galli, Cockspur " 50 " oxycantha, English " 50 Cyrilla racemiflora 1 00	
Cyrilla racemiflora	
Diospyros Kaki, Japan Persimmon	
" Virginiana, Persimmon	
Eleagnus longipes	
Euonymus Americanus. Burning Bush	
Exochorda grandiflora, Pearl Bush	
Fagus ferruginea, American Beech	5 10
" sylvatica, European " 1 00	
" " purpurea, Blood-leaved	
Fonquera Splendens	
"Arizonica	15
" excelsior, European "	
" Ornus Flowering "	
" pubescens, Red "	5 10
" quadrangulata, Blue "	
" - 111 C-1-11	
Fremontia Californica	
Garrya elliptica 7 50	75
Gaylussacia resinosa, Huckleberry	
Gleditschia triacanthos, Honey Locust	
Gymnocladus Canadensis, Kentucky Coffee	
Halesia diptera, Snowdrop Tree	
" tetraptera " "	
Hamamelis Virginica, Witch Hazel 1 00 Hibiscus Syriacus Althaea 1 00	
Hippophæa rhamnoides, Sea Buckthorn	
Hydrangea arborescens	
Itea Virginica 2 50 Juglans cinerea Butternut per bushel \$2 50 15	
" Californica 35	
" cordiformis, Japan Walnut 50)
" nigra, Black Walnut " " 2 00 15	
regia, English	
"rupestris, Arizona Walnut" " 7 50 50 50 50 50 50 50 50 50 50 50 50 50	
Koelreuteria paniculata, Varnish Tree	
Larix Americana, American Larch. Price on application.	
Europæa, European Larch 2 00 leptolepis, Japanese 3 50	20 35
Larix occidentalis, Western I arch	2 00
	_ 00

DECIDUOUS TREES AND SHRUBS-Cont		_
Laburnum vulgare	Per lb.	Per oz.
Lindera Benzoin, Spice Bush	. 75	15
Lagerstræmia Indica		60
Ligustrum Ibota	. 75	10 25
Liriodendron tulipifera, Tulip Tree	60	15
Lonicera Tartarica	. 1 50	25
Maclura aurantiaca, Osage Orange		10
Magnolia acuminata		15 50
" Fraseri " glauca, Sweet Bay		15
" grandiflora, Evergreen		10
" hypoleuca	. 2 50	25
" Kobus (From Japan)	. 2 50	25 20
" tripetala	2 00	20
Melia umbraculiformis, China Tree	1 00	10
Morus alba, White Mulberry	1 50	15
" rubra "	2.50	50
" tatarica, Russian " Myrica Californica, Wax Myrtle	2 50	25 25
" cerifera " "	1 25	15
Nandina domestica (From Japan)	. 3 00	30
Negundo aceroides, Ash-leaved Maple (Western)		10 10
Nyssa aquatica, Sour Gum " multiflora " "		10
" uniflora, Tupelo, Sour Gum	75	10
Ostrya Virginica, Iron Wood	1 25	10
Oxydendrum arboreum (Andromeda)		30 25
" microphylla		20
"Torreyana	2 50	25
Paulownia imperialis, Empress Tree	1 50 75	25 10
Phellodendron Amurense	50	10
" orientalis, Oriental "		10
" Wrightii	1 25	10
Populus Wislizeni		15
Prinos glabra Prinos verticillatus, Deciduous Holly	75 75	10 10
Prosopis juliflora, pods, Mesquite Bean	1 25	15
" pubescens, pods, Tornio Bean	1 25	15
Prunus Americana, Wild Plum	75	10
" maritima, Beach "	1 50	15 10
" Pennsylvanica serotina, Wild Cherry	50	10
" Virginiana	75	10
Ptelea trifoliata, Hop Tree	50	10
Pyrus Americana, American Mountain Ash	1 25 75	15 10
" arbutifolia	75	10
" coronaria	50	10
" rivularis, Oregon Crab		30
Quercus alba, White Oakper bushel, \$4 00	20 75	
" aquatica " " 5 50		
" bicolor, Meadow " " 4 00	20	
Catesbæi 4 50	40	
" Cerris, Turkey " 7 50 chrysolepis	30 75	
"cinerea, Upland Willow Oak" " 7 00	40	
" coccinea, Scarlet Oak " 5 00	20	
"falcata, Spanish"" "4 00" Garryana	20 75	
" ilicifolia, Scrub. " " 6 50	25	
" imbricaria. Laurel " " " 6 50	25	:
" laurifolia. Southern Laurel Oak " 7 00	35	,

DECIDUOUS TREES AND SHRUBS—Continued.	Per oz
Quercus lyrataper bushel \$4 00 25 Michauxii	20,02
" macrocarpa, Burr Oa's " 4 25 25	
" nigra, Black Jack Oak" 4 00 35	
" obtusiloba, Post 5 30 33	
" palustris, Pin " " 6 00 35 " Phellos, Willow " " 6 50 40	
" Prinus, Chestnut " " 4 00 25	
" Robur, English " " 5 00 25	
" rubra, Red ": " 3 50 20	
" Texana 7 00 50	
" tinctoria Black " " 4 00 25 " Wislizeni 1 00	
Rhamnus Californica	20 10
" cathartica " 1 00	10
" Frangula " 1 00	10
" Purschiana " 3 00	30
Rhus aromatica	10 10
" Cotinus, Mist Bush	20
" glabra, Smooth Sumach 50 " laurina	10 20
" laurina	10
Ribes bracteosa	75
" cereum 4 00	50
" lacustre 4 00	50
" sanguineum, Flowering Currant 2 50	25
Robinia hispida	75 10
Romneya Coulteri	75
Rosa blanda	10
includ	10 10
" Carolina	40
" rugosa 1 00	10
" setigera, Berries, Wild Prairie Rose 1 00	10
Rubus leucodermis	50
netkanus 0 00	7.5 1 00
" spectabilis 9 00 " vitifolius 4 00	50
Salisburia adiantifolia, Ginkgo	10 10
" glauca	25
" racemosus	30
Sapindus marginatus, Soap-berry 1 50	15
Sassafras officinale	10
Schinus molle	10 10
Spiræa opulifolia	30
" tomentosa 3 00	30
Sterculia platanifolia	. 25
Staphylea trifolia, Bladder-nut 1 25 Stuartia pentagyna 2 00	20 20
Styrax Japonica	15
" Obassia 3 00	30
Syringa villosa, Chinese Lilac	15
" vulgaris, Common Lilac	15 10
Tilia Americana, American Linden	10
" Europaea, European " 1 00	15
Ulmus Americana, American Elm	10
" fulva Slippery " 2.25	10 25
" montana. Scotch " 1 25	. 15
Vaccinium arboreum, Bush Huckleberry	15
" corymbosum " " 2 00	20

DECIDUOUS TREES AND SHRUBS-Continu		
Vaccinium macrocarpon, Cranberry, clean seed	Per lb.	Per oz. 2 50
" ovatum	3 00	30
" Pennsylvanicum, Huckleberry	1 50	15
" stamineum	1 25 50	15 10
" cassinoides	1 25	10
" dentatum	75	10
" Lantana		15
" Lentago" nudum	1 25 1 25	15 15
"Oxycoccos	75	15
" prunifolium	75	10
Zanthoxylon fraxinæfolium, Prickly Ash	1 50	20
VINES AND CLIMBERS.	2 00	
Akebia guinata	3 00	\$0 50
" Veitchii. Japan Creeper	50	10
"Virginica, Virginia"	75	•10
Celastrus scandens, Staff Vine	75	10
Clematis flammula, Sweet Clematis	1 50	25 1 25
" paniculata, Japanese Clematis	2 00	2 5
"Virginiana	2 00	30
vitalda, English Clematis	1 25	15 10
Hedera Helix, Ivy	1 50	15
Passiflora incarnata, Passion Flower		20
Pueraria Thunbergiana, Kudzu Vine	4 50	45
Smilax glauca	1 75	20 15
" laurifolia	1 25	15
" rotundifolia	1 25	15
" tamnoides	1 25	15 15
" Walteri Tecoma radicans, Trumpet Vine	1 25	15
Vitis. See Fruits.	1 00	
Wistaria frutescens	1 50	20
" magnifica sinensis		20 20
FRUITS.	2 00	20
Apple, French Crab. Prices per bushel on application	50	
Cherry Mahaleb, \$18.00 per bu.; 3 bus. at \$17.00 per bu	50	
Chestnut, American	30	
" Spanish	35 1 00	10
" coignetiæ Japanese Wild Grape		40
" cordifolia		10
" " labrusca " riparia	1 00	10 10
" rotundifolia	2 00	20
Hazel Nut, American	50	
Mulberry, White	1 50	15
" Russian	2 50 1 50	25 15
Peach pits. Natural, per bu., \$2.75	15	
Pear, French	1 50	
" Japan Kieffer Kieffe	2 50 3 25	30
Pecan Nutper bushel, \$8 00	30	
Quince	1 50	
Shellbark per bushel, \$4 00 Walnut, Black " 2 00	20	
" Pattornut " 2 00	15 15	
" California	5 0	
	30	
" Japan	50	

Where seeds are to go by mail, add 9 cts. per lb. to cover postage.